

**What is claimed is:**

1. A capacitive touchpad integrated with key and handwriting functions, comprising:
  - 5 a panel for touch inputting;
  - a first pattern on said panel for representing a mode switch to switch said touchpad between a key mode and a handwriting mode;
  - a plurality of regions defined on said panel; and
  - 10 a plurality of second patterns on said plurality of regions for operation in said key and handwriting modes.
2. A capacitive touchpad of claim 1, further comprising a mouse mode for switching thereto by touching said first pattern.
- 15 3. A capacitive touchpad of claim 1, further comprising an LCD for displaying an input from said panel.
- 20 4. A capacitive touchpad of claim 1, wherein said panel comprises:
  - a substrate selected from the group consisting of PCB, membrane and transparent plate;
  - 25 a conductor wiring on said substrate; and

an insulator covered on said conductor wiring.

5           5. A capacitive touchpad of claim 4, wherein said conductor wiring comprises an ITO.

6. A capacitive touchpad of claim 4, wherein said insulator is transparent.

10           7. A capacitive touchpad of claim 1, further comprising a backlight for said panel.

8. A capacitive touchpad of claim 1, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

15           9. A capacitive touchpad of claim 1, further comprising a judgment module for determining a number of fingers touching onto said panel.

20           10. A capacitive touchpad of claim 1, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

25           11. A mobile telephone characterized in a capacitive touchpad included thereon, said capacitive touchpad

comprising:

5                   a panel for touch inputting;  
                  a first pattern on said panel for representing a mode  
                  switch to switch said touchpad between a key  
                  mode and a handwriting mode;  
                  a plurality of regions defined on said panel; and  
                  a plurality of second patterns on said plurality of  
                  regions for operation in said key and  
                  handwriting modes.

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12. A mobile telephone of claim 11, wherein said capacitive touchpad further comprising a mouse mode for switching thereto by touching said first pattern.

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13. A mobile telephone of claim 11, further comprising an LCD for displaying an input from said panel.

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14. A mobile telephone of claim 11, wherein said panel comprises:

                  a substrate selected from the group consisting of  
                  PCB, membrane and transparent plate;  
                  a conductor wiring on said substrate; and  
                  an insulator covered on said conductor wiring.

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15. A mobile telephone of claim 14, wherein said

conductor wiring comprises an ITO.

16. A mobile telephone of claim 14, wherein said insulator is transparent.

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17. A mobile telephone of claim 11, further comprising a backlight for said panel.

18. A mobile telephone of claim 11, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

19. A mobile telephone of claim 11, further comprising a judgment module for determining a number of fingers touching onto said panel.

20. A mobile telephone of claim 11, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

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21. A capacitive touchpad integrated with key and mouse functions, comprising:

a panel for touch inputting;

a first pattern on said panel for representing a mode switch to switch said touchpad between a key

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mode and a mouse mode;  
a plurality of regions defined on said panel; and  
a plurality of second patterns on said plurality of  
regions for operation in said key and mouse  
modes.

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22. A capacitive touchpad of claim 21, further  
comprising a handwriting mode for switching thereto by  
touching said first pattern.

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23. A capacitive touchpad of claim 21, further  
comprising an LCD for displaying an input from said panel.

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24. A capacitive touchpad of claim 21, wherein said  
panel comprises:

a substrate selected from the group consisting of  
PCB, membrane and transparent plate;  
a conductor wiring on said substrate; and  
an insulator covered on said conductor wiring.

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25. A capacitive touchpad of claim 24, wherein said  
conductor wiring comprises an ITO.

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26. A capacitive touchpad of claim 24, wherein said  
insulator is transparent.

27. A capacitive touchpad of claim 21, further comprising a backlight for said panel.

5 28. A capacitive touchpad of claim 22, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

10 29. A capacitive touchpad of claim 21, further comprising a judgment module for determining a number of fingers touching onto said panel.

15 30. A capacitive touchpad of claim 21, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.

31. A capacitive touchpad integrated with mouse and handwriting functions, comprising:  
20 a panel for touch inputting;  
a first pattern on said panel for representing a mode switch to switch said touchpad between a mouse mode and a handwriting mode;  
a plurality of regions defined on said panel; and  
25 a plurality of second patterns on said plurality of regions for operation in said mouse and

handwriting modes.

32. A capacitive touchpad of claim 31, further comprising a key mode for switching thereto by touching said first pattern.

33. A capacitive touchpad of claim 31, further comprising an LCD for displaying an input from said panel.

10 34. A capacitive touchpad of claim 31, wherein said panel comprises:

a substrate selected from the group consisting of PCB, membrane and transparent plate;  
a conductor wiring on said substrate; and  
an insulator covered on said conductor wiring.

15 35. A capacitive touchpad of claim 34, wherein said conductor wiring comprises an ITO.

20 36. A capacitive touchpad of claim 34, wherein said insulator is transparent.

37. A capacitive touchpad of claim 31, further comprising a backlight for said panel.

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38. A capacitive touchpad of claim 31, further comprising a recognition module for recognizing an input trace onto said panel in said handwriting mode.

5 39. A capacitive touchpad of claim 31, further comprising a judgment module for determining a number of fingers touching onto said panel.

10 40. A capacitive touchpad of claim 31, wherein said plurality of second patterns comprises a plurality of key patterns for performing a telephone keyboard.